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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	7
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**Complete if Known**

Application Number	09/734,613
Filing Date	December 13, 2000
First Named Inventor	BRUGGEMANN; Marianne
Group Art Unit	1651
Examiner Name	Not Yet Assigned
Attorney Docket Number	37945-0009

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Signature**

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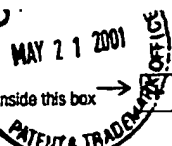
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Sheet 2 of 7

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First Named Inventor	BRUGGEMANN, Marianne
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Attorney Docket Number	37945-0009

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A05	POPOV, A. et al; "Assembly and Extension of Yeast Artificial Chromosomes to Build a Large Locus"; Gene: An International Journal on Genes and Genomes; October 24, 1998; pages 195-201; Vol. 177, No. 1; Elsevier Science Publishers, Great Britain	
	A06	GORMAN, J. et al; "The Igk 3' Enhancer Influences the Ratio of Igk Versus Igλ B Lymphocytes"; Immunity; September 1998; pages 241-252; Vol. 5, No. 3; Cell Press	
	A07	POPOV, A. et al; "A Human Immunoglobulin λ Locus Is Similarly Well Expressed in Mice and Humans"; J. Exp. Med; May 17, 1999; pages 1811-1820; Vol. 189, No. 10; The Rockefeller University Press	
	A08	HOOD, L. et al; "Light Chain Evolution"; Cold Spring Harbour Symp. Quant. Biol.; 1967; pages 133-146; Vol. 32	
	A09	McINTIRE, K.R. et al; "Mouse Immunoglobulin Light Chains: Alteration of κ:λ Ratio"; Federal Proc.; March/April 1970; page 704; Vol. 29; No. 2; Federation of American Societies for Experimental Biology	
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	A12	COLECLOUGH, C. et al; "Aberrant Rearrangements Contribute Significantly to the Allelic Exclusion of Immunoglobulin Gene Expression"; Nature; April 2, 1981; pages 372-378; Vol. 290; Macmillan Journals Ltd.	
	A13	SELSING, E. et al; "Immunoglobulin λ genes"; Immunoglobulin Genes Second Edition; pages 193-203; Academic Press; London, England	
	A14	BERG, J. et al; "Immunoglobulin λ Gene Rearrangement Can Precede κ Gene Rearrangement"; Developmental Immunology; 1990; Pages 53-57; Vol. 1; Harwood Academic Publishers GmbH; Great Britain	
	A15	ABKEN, H. et al; "Re-organization of the Immunoglobulin Kappa Gene on Both Alleles is not an Obligatory Prerequisite for Ig Lambda Gene Expression in Human Cells"; Immunology; August 12, 1991; pages 709-713; Vol. 74	

Examiner Signature

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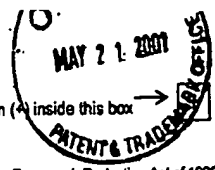
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		Filing Date	December 13, 2000
		First Named Inventor	BRUGGEMANN, Marianne
		Group Art Unit	1651
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	37945-0009
Sheet	3	of	7

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	A16	✓ TAKEMORI, T. et al; "Lambda Chain Expression at Different Stages of Ontogeny in C57BL/6, BALB/c and SJL Mice"; Eur. J Immunology; 1981; pages 618-625; Vol. 11; Verlag Chemie GmbH, Weinheim, Germany	
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	A23	✓ ARAKAWA, H. et al; "ReEvaluation of the Probabilities for Productive Rearrangements on the κ and λ Loci"; International Immunology, 1996; pages 91-99; Vol. 8; No. 1; Oxford University Press	
	A24	✓ GLOZAK, M. et al; "The Human λ Immunoglobulin Enhancer is Controlled by Both Positive Elements and Developmentally Regulated Negative Elements"; Molecular Immunology; 1996; pages 427-438; Vol. 33; No. 4/5; Elsevier Science Ltd.; Great Britain	
	A25	✓ ASENBauer, H. et al; "Tissue-Specific Deoxyribonuclease I-Hypersensitive Sites in the Vicinity of the Immunoglobulin C <sub>κ</sub> Cluster of Man"; Eur. J. Immunol. 1998; pages 142-150; Vol. 26; Verlagsgesellschaft mbH; Weinheim; Germany	
	A26	✓ GORMAN, J. et al; "The Igκ 3' Enhancer Influences the Ratio of Igκ Versus Igλ B Lymphocytes"; Immunity; September 1996; pages 241-252; Vol. 5; Cell Press	

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4

of 7

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Filing Date	December 13, 2000
First Named Inventor	BRUGGEMANN, Marianne
Group Art Unit	1651
Examiner Name	Not Yet Assigned
Attorney Docket Number	37945-0009

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	A27	FRIPPIAT, J.-P. et al; "Organization of the Human Immunoglobulin Lambda Light-Chain Locus on Chromosome 22q11.2"; Human Molecular Genetics; 1995; pages 983-991; Vol. 4; No. 6; Oxford University Press	
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	A29	GIUDICELLI, V. et al; "IMGT, The International ImmunoGeneTics Database"; Nucleic Acids Research; 1997; pages 208-211; Vol. 25; No. 1; Oxford University Press	
	A30	IGNATOVICH, O. et al; "The Creation of Diversity in the Human Immunoglobulin V $\lambda$ Repertoire"; Journal Molecular Biology; 1997; pages 69-77; Vol. 268; Academic Press Limited	
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	A32	FOSTER, S. et al; "Molecular Mechanisms and Selective Influences that Shape the Kappa Gene Repertoire of IgM <sup>+</sup> B Cells"; J. Clinical Investigation; April 7, 1997; pages 1614-1627; Vol. 99; No. 7; The American Society of Clinical Investigation, Inc.	
	A33	IGNATOVICH, O; "The Creation of Diversity in the Human Immunoglobulin V1 Repertoire" Phd. Thesis; University of Cambridge; 1998	
	A34	BRIDGES, S.L., et al; "Somatic Mutation and CDR3 Lengths of Immunoglobulin $\kappa$ Light Chains Expressed in Patients with Rheumatoid Arthritis and in Normal Individuals"; The Journal of Clinical Investigation, Inc.; August 1995; pages 831-841; Vol. 96; The American Society of Clinical Investigation, Inc.	
	A35	VICTOR, K. et al; "Limited Junctional Diversity in $\kappa$ Light Chains"; Journal of Immunology; 1994; pages 3467 - 3475; Vol 152; The American Association of Immunologists	
	A36	DAVIES, N. et al; "Human Antibody Repertoires in Transgenic Mice: Manipulation and Transfer of YACs"; Antibody Engineering: A Practical Approach; 1996; pages 1-35; Department of Development and Signalling; Babraham Institute; Babraham, Cambridge; United Kingdom	
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Sheet 5 of 7

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W	A38	ZOU, X. et al; "Subtle Differences in Antibody Responses and Hypermutation of $\lambda$ Light Chains in Mice with a Disrupted $\kappa$ Constant Region"; Eur. J. Immunology; 1995; pages 2154-2162; Vol.25; Verlagsgesellschaft mbH; Weinheim; Germany	
	A39	WURST, W. et al; "Production of Targeted Embryonic Stem Cell Clones"; Gene Targeting: A Practical Approach; 1993; pages 33-61; IRL Press; Oxford	
	A40	HERMANN, B. et al; "A Large Inverted Duplication Allows Homologous Recombination Between Chromosomes Heterozygous for the Proximal t Complex Inversion"; Cell; 1987; pages 813-825; Vol. 48	
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	A43	CHOMCZYNSKI, P. et al; "Single-Step Method of RNA Isolation by Acid Guanidium Thiocyanate-Phenol-Chloroform Extraction"; Analytical Biochemistry; April 1987; pages 156-159; Vol. 162; No. 1; The Academic Press, Inc. New York, United States	
	A44	FROHMAN, M. et al; "Rapid Production of Full-Length cDNAs from Rare Transcripts: Amplification Using a Single Gene-Specific Oligonucleotide Primer"; Proc. Natl. Acad. Sci.; December 1988; pages 8998 - 9002; Vol. 85	
	A45	AUSUBEL, F.M. et al; "Current Protocols in Molecular Biology"; 1995; Vol. 1Wiley & Sons, United States	
	A46	WILLIAMS, S. et al; "Sequence and Evolution of the Human Germline V <sub>H</sub> Repertoire"; J. Mol. Biol.; 1996; pages 220 -232; Vol. 284; Academic Press Limited	
	A47	CHEN, J. et al; "B Cell Development in Mice that Lack One or Both Immunoglobulin $\kappa$ Light Chain Genes"; The EMBO Journal; 1997; pages 821-830; Vol. 12, No. 3; Oxford University Press; United Kingdom	
	A48	BRÜGGEMANN, M. et al; "Strategies for Expressing Human Antibody Repertoires in Transgenic Mice"; Immunology Today; August 1996; pages 381-397; Vol. 17; Elsevier Sciences Ltd.	

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	A49	GREEN, L. et al; "Regulation of B Cell Development by Variable Gene Complexity in Mice Reconstituted with Human Immunoglobulin Yeast Artificial Chromosomes"; J. Exp. Med.; August 3, 1998; pages 483-495; Vol. 188; No. 3; The Rockefeller University Press	
	A50	ZOU, X. et al; "Dominant Expression of a 1.3 Mb human Igk Locus Replacing Mouse Light Chain Production"; The FASEB Journal; August 1998; pages: 1227-1232; Vol. 10	
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	A52	GONZALEZ-FERNANDEZ, A. et al; "Somatic Mutation of Immunoglobulin λ Chains: A Segment of the Major Intron Hypermutates as Much as the Complementarity - Determining Regions"; Proc. Natl. Acad. Sci.; December 1994; pages 12614-12618; Vol. 91;	
	A53	LI, Y.S. et al; "The Regulated Expression of B Lineage Associated Genes During B Cell Differentiation in Bone Marrow and Fetal Liver"; J. Exp. Med.; September 1993; pages 951-960; Vol 178; The Rockefeller University Press	
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	A55	SAITTA, M. et al; "Reference Values for Immunoglobulin Kappa and Lambda Light Chains and the Kappa/Lambda Ratio in Children's Serum"; Clinical Chemistry; 1992; pages 2454-2457; Vol. 38; No. 12	
	A56	HOOD, L. et al; "Rabbit Antibody Light Chains and Gene Evolution"; Nature; December 12, 1970; pages 1040-1044; Vol. 228	
	A57	LANSORD, R; "Mechanism and Control of Immunoglobulin Gene Rearrangement"; B.D. Hames and D.M. Glover (eds); pages 1-100; IRL Press; New York; United States	
	A58	NADEL, B. et al; "Murine Lambda Gene Rearrangements: The Stochastic Model Prevails Over the Ordered Model"; The EMBO Journal; 1990; pages 435-440; Vol. 9; No. 2; Oxford University Press; United Kingdom	
	A59	ARAKAWA, H.; et al; "Re-evaluation of the Probabilities for Productive Rearrangements on the κ and λ Loci"; International Immunology; 1996; pages 91-99; Vol. 8; No. 1; Oxford University Press	

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**BRUGGEMANN, Marianne**

**Group Art Unit**

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**Examiner Name**

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